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AFSC 2A7X4

SURVIVAL EQUIPMENT



CAREER FIELD EDUCATION AND TRAINING PLAN

**CAREER FIELD EDUCATION AND TRAINING PLAN
SURVIVAL EQUIPMENT SPECIALTY
AFSC 2A7X4**

Table of Contents

PART I

Preface 2

Abbreviations/Terms Explained..... 3

Section A--General Information..... 5

 Purpose of the CFETP

 Use of the CFETP

 Coordination and Approval of the CFETP

Section B--Career Progression and Information 6

 Specialty Description

 Skill/Career Progression

 Apprentice Level (3)

 Journeyman Level (5)

 Craftsman Level (7)

 Superintendent Level (9)

 Training Decisions

 Community College of the Air Force

 Career Field Path

 Base/Unit Education and Training Manager Checklist

Section C--Skill Level Training Requirements 12

 Purpose

 Training Requirements

 Apprentice Level (3)

 Journeyman Level (5)

 Craftsman Level (7)

 Superintendent Level (9)

Section D--Resource Constraints 14

Section E--Transitional Training Guide 14

PART II

Section A--Specialty Training Standard..... 15

Section B--Course Objective List..... 31

Section C--Support Materials..... 31

Section D--Training Course Index 32

Section E--MAJCOM Unique Requirements..... 33

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**CAREER FIELD EDUCATION AND TRAINING PLAN
SURVIVAL EQUIPMENT SPECIALTY
AFSC 2A7X4**

PART I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of the current CFETP, go to the Aircraft Maintenance Homepage at: <http://www.il.hq.af.mil/ilm/ilmm/acmaint/index.html>. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Education/Training Publications*. Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on an AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force specialty regardless of duty position. Core tasks identified with an */R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing, and Conducting Training*.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment, that preclude desired training from being delivered.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to: (1) what training should be provided personnel within career fields, (2) when training should be provided (at what career points), and (3) where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFMs), MAJCOM functional managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A7X4 should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one or more of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.
- 1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

- 2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.
- 2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed mandatory training to support this AFSC must be identified for inclusion into the plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.

4.1. Specialty Summary. Disassembles, assembles, inspects, fabricates, cleans, repairs, and packs aerospace weapon system components such as protective clothing, upholstery, thermal radiation barriers, protective covers, flotation equipment, emergency evacuation systems, and parachutes. Related DoD Occupational Subgroup: 760.

4.2. Duties and Responsibilities.

4.2.1. Plans and schedules parachute and fabric activities. Establishes performance standards, improves work methods, and advises on inspection, repair, and repack of aircrew survival equipment. Checks repaired and repacked survival equipment and determines serviceability based on required specifications and technical publications. Evaluates problems and determines feasibility of repair or replacement related to inspecting and repairing fabric, rubber equipment, and parachutes. Evaluates work orders for local manufacturing, plans layout, and fabrication of new items.

4.2.2. Disassembles, assembles, inspects, cleans, fabricates, repairs, and packs fabric and rubber components, including protective clothing, upholstery, thermal radiation barriers, protective covers, flotation equipment, emergency evacuation systems, and parachutes such as deceleration, cargo, and personnel. Installs, removes, inspects, tests, and sets manual and automatic rip cord release opening devices. Stores, handles, and inspects pyrotechnic items.

4.2.3. Operates, maintains, and inspects survival equipment machinery, test equipment, and tools. Performs operator maintenance and service inspections on shop equipment. Stores, handles, uses, and disposes of hazardous waste and materials based on environmental standards.

4.2.4. Plans, organizes, and directs aircraft fabrication maintenance activities. Interprets and implements directives and publications pertaining to fabrication and airframe maintenance, including environmentally safe practices. Establishes production controls and standards. Analyzes maintenance management reports. Determines resource requirements, including personnel, equipment, facilities, and supplies. Coordinates with other activities to improve procedures and resolve problems. Directs maintenance personnel employed in removing, disassembling, inspecting, repairing, treating corrosion, reassembling, installing, testing, and modifying aircraft structural components, survival equipment, and local manufacture activities. Solves fabrication, airframe, maintenance, local manufacture, and support equipment repair problems. Inspects and evaluates fabrication maintenance activities. Evaluates completed work to determine operational status and compliance with directives, policies, and work standards. Manages resources, interprets inspection findings, and recommends corrective action. Manages the oil analysis program.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training to do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. The following narrative and AFSC 2A7X4 career field table identify the skill/career progression.

5.1. Apprentice (3) Level. Following Basic Military Training, initial skills training will be provided in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), task qualification training, and other exportable courses to progress in their career field. Once the trainer task certifies the trainee, the trainee may perform that task unsupervised.

5.2. Journeyman (5) Level. Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as quality assurance and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weighted Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.3. Craftsman (7) Level. A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight chief, task certifier, and various staff positions. Exportable MDS specific courses and MAJCOM/unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.4. Superintendent (9) Level. A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Survival Equipment career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made at the career field Utilization and Training Workshop held at Sheppard AFB, Texas from 7-11 March 1994.

6.1. Initial Skills. A decision was made to revise and restructure the resident 3-level course to add the following areas: Repair procedures of CWU 74/P anti-exposure suit, inspection and repack of LPU-9/P life preserver, hazardous materials/waste management, Standard Base Supply System (SBSS), and types of escape slides. Proficiency levels were increased in the following

areas: back automatic, ACES II Recovery, and drogue parachutes; Scot opening device; automated maintenance system; sewing machines; upholstery; LRU-16/P, F2B, and LPU-10/P. The following areas were deleted from the 3-level course: Career ladder progression, basic functions within the maintenance complex, 111W sewing machine, MK/H7 recovery and drogue parachute, F-1B opening device, deceleration systems, CWU-21/P and CWU-21A/P, anti-exposure suits, and M-3 toxicological ensemble.

6.2. Five Level Upgrade Requirements. The following areas were identified as core tasks for upgrade to the 5-level: Shop equipment, test equipment, sewing techniques, back automatic parachutes, ACES II recovery parachute, ACES II drogue parachute, opening devices, fabric items, protective clothing, life rafts, and life preservers. The 5-level CDCs were revised to add needed material with emphasis in the following areas: Depot Level Repair (DLR) process, cargo parachutes, Standard Base Supply System (SBSS), and CWU 74/P. The 5-level CDC was also revised by increasing training on AFOSH standards and escape slides and deleting information on the MB-6 deceleration parachute.

6.3. Seven Level Upgrade Requirements. A decision was made to implement CDC 2AX7X, Aerospace Maintenance Craftsman, as an upgrade training requirement. Since the material contained in this CDC was duplicated in CDC 2A774, CDC 2A774 was deactivated. CDC 2AX7X contains maintenance, supply, and resource management information that is generic to all aircraft maintenance AFSCs. The resident craftsman course provides in-depth training on fabrication and parachute systems, explosive safety program, advanced maintenance repairs to survival equipment, supervisory and troubleshooting techniques, supply discipline, product improvement, forecasting time change items, and related management concepts. The 7-level CDC will be developed to provide a greater depth of knowledge on management, advanced maintenance techniques, inspections, and procedures. The following areas were identified as core tasks for upgrade to the 7-level: forecasting time changes; using supply products; Material Deficiency Reporting (MDR); advanced sewing machine maintenance; cleaning and repairing BA-18, ACES II recovery, and ACES II drogue parachutes; inspecting fabric items; analyzing maintenance reports; quality control procedures; and OJT certifier/trainer requirements.

6.4. Continuation Training. Any additional knowledge and skill requirements which were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a proficiency training program that ensures individuals in the Survival Equipment career field receive the necessary training at the appropriate point in their career. The program identifies both mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency

based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education)	
Total	64

7.3.1. Technical Education (24 Semester Hours): Completion of the J3ABR2A734 002 course satisfies some semester hours of the technical education requirements. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

7.3.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses.

7.3.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.3.4. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.3.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.4. AETC Instructor Requirements: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. **Enlisted Career Path.** Table 8.1 identifies career milestones for the 2A7X4 Air Force Specialty.

Table 8.1 Enlisted Career Path				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<u>Trainer</u> - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	<u>Certifier</u> - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available. - Advanced Technical School. - Minimum 12 months on-the-job training	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. - Resident or correspondence graduation is a prerequisite for CMSgt sew-on.	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

8.2. Base/Unit Education and Training Manager Checklist:

Table A8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	Y	N
Journeyman - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all appropriate 5-level core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs? - Has the journeyman completed all core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course? First, they must complete: -- All 7-level training requirements listed in the CFETP. -- All applicable CDCs. - Has the journeyman completed a minimum 12 months UGT for award of the 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all training requirements.

Training Manager_____
Supervisor

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in the 2A7X4 career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualification:

10.1. Apprentice Level Training:

10.1.1. Specialty Qualification. This information is located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.1.1.1. Knowledge. Knowledge is mandatory of: parachute construction; temperature and humidity affects on parachutes and other fabrics; characteristics of rubberized items; solvent, heat, and pressure affects on rubber; and proper handling, use, and disposal of hazardous waste, materials, and pyrotechnics.

10.1.1.2. Education. For entry into this specialty, completion of high school with courses in shop mechanics is desirable.

10.1.1.3. Training. For award of AFSC 2A734, completion of the Survival Equipment Apprentice Course is mandatory.

10.1.1.4. Experience. None.

10.1.1.5. Other. None.

10.1.2. Training Sources and Resources. The initial skills course will provide the required knowledge, qualification, and, if applicable, certification.

10.1.3. Implementation. Upon graduation from Basic Military Training (BMT), completion of course J3ABR2A734 002, Survival Equipment Apprentice, is mandatory. This course satisfies the knowledge and training resource requirements for award of the 3-skill level.

10.2. Journeyman Level Training:

10.2.1. Specialty Qualification. This information is also located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.2.1.1. Knowledge. Knowledge is mandatory of: parachute construction; temperature and humidity affects on parachutes and other fabrics; characteristics of rubberized items; solvent, heat, and pressure affects on rubber; and proper handling, use, and disposal of hazardous waste, materials, and pyrotechnics.

10.2.1.2. Education. There are no formal education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.2.1.3. Training. For award of AFSC 2A754, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.1.4. Experience. Qualification in and possession of AFS 2A734. Also, experience in maintaining fabric and rubber items, flotation equipment, protective clothing, aircraft upholstery, and parachutes.

10.2.1.5. Other. None.

10.2.2. Training Sources and Resources. A minimum of 15 months on-the-job training, completion of the 2A754 CDC and 5-level core tasks represent the resources needed for award of the 5-skill level.

10.2.3. Implementation. Training to the 5-level is performed by the units utilizing the STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the basic 2A754 CDC, completion of all core tasks on one MDS aircraft, and 15 months upgrade training.

10.3. Craftsman Level Training:

10.3.1 Specialty Qualification. This information is also located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.3.1.1. Knowledge. Knowledge is mandatory of: parachute construction; temperature and humidity affects on parachutes and other fabrics; characteristics of rubberized items; solvent, heat, and pressure affects on rubber; and proper handling, use, and disposal of hazardous waste, materials, and pyrotechnics.

10.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.3.1.3. Training. Completion of mandatory CDCs, 7-level core tasks, and the resident 7-level course are mandatory for upgrade to 2A774.

10.3.1.4. Experience. Qualification in and possession of AFSC 2A754. Also, experience performing or supervising functions such as maintaining fabric and rubber items, flotation devices, protective clothing, aircraft upholstery, and parachutes.

10.3.1.5. Other. None.

10.3.2. Training Sources and Resources. Completion of the J3ACR2A774 001 course at Sheppard AFB Texas, completion of CDC 2AX7X, along with supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The Course Objective List (COL) listed in Part II lists the training rendered at the 7-level resident course at Sheppard AFB Texas.

10.3.3. Implementation. Upgrade to the 7-level will require completion of all AF core tasks, 12 months OJT as a SSgt, completion of the 7-level CDCs and resident 7-level course at Sheppard AFB Texas. Completion of AF core tasks and 7-level CDCs.

10.4. Superintendent Level Training:

10.4.1 Specialty Qualification. This information is also located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.4.1.1. Knowledge. Knowledge is mandatory of: aircraft structural maintenance, metals technology, survival equipment, and nondestructive inspection methods; characteristics and identification of aerospace and non-aerospace materials; concepts and application of maintenance directives; maintenance data reporting; and proper handling, storage, use, and disposal of hazardous waste and materials.

10.4.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.4.1.3. Training. For award of AFSC 2A790, promotion to SMSgt is mandatory.

10.4.1.4. Experience. For award of AFSC 2A790, qualification in and possession of AFSC 2A771, 2A772, 2A773, or 2A774 is mandatory. Also, experience is mandatory managing aircraft structural maintenance, metals technology, survival equipment, or nondestructive inspection specialties and functions.

10.4.1.5. **Other.** Not used.

10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.

10.4.3. **Implementation.** The 9-level will be awarded after promotion to SMSgt and completion of: MAJCOM requirements, unit OJT, and the Senior NCO Academy (in-residence or by correspondence).

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training: There are no 3-level constraints.

13. Five Level Training: There are no 5-level constraints.

14. Seven-Level Training. There are no 7-level constraints.

Section E - Transitional Training Guide. There are no transition training requirements.

PART II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command for classes beginning on 950117 and graduating on 950412.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a wartime course objective.

2.2. Identifies in column 2 (Core Tasks) by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for the AFRC and the ANG. MAJCOM Functional Managers, commanders, and supervisors may designate additional core tasks as necessary. When designated, certify these core tasks using normal core task certification procedures. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:

2.2.1. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training)

2.2.2. For units with more than one mission design (e.g. A-10) aircraft, upgrade trainees need only complete core tasks on a single mission design. MFMs, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. Units that use the GO81 maintenance data collection system do not need to complete Core Automated Maintenance System (CAMS) Computer Based Training (CBT) core tasks. However, these units must be capable of training CAMS related CBT core tasks for deployment preparation. This capability ensures GO81 users are capable of operating CAMS prior to deploying to CAMS using units. This requirement will remain in effect until GO81 and CAMS are converted to the Integrated Maintenance Data System (IMDS).

2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification completed date.

2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.

2.5. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.6. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

2.6.1 Documentation. Document and certify completion of training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks. There are no approved AFJQS for this AFSC.

2.6.1.1. Converting from Old Document to CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications.

2.6.1.1.1. For those core and critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and certifier's initials. Remember, during the transcription process no training is taking place. Therefore, the trainer's initials are not required.

2.6.1.1.2. For non-core and non-critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and trainer's initials.

2.6.1.1.3. When transcribing previous certification for tasks not required in the current duty position, carry forward only the previous completion date of certification (not the initials of another person). If and when transcribed tasks become duty position requirements, recertify using standard certification procedures.

2.6.1.1.4. The person whose initials appear in the trainer or certifier block during the transcription process must meet the requirements of their respective roles.

2.6.1.1.5. Upon completion of the transcription process, give the old CFETP to the member.

2.6.1.2. Documenting Career Knowledge. When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFMAN 36-2108. For two-time CDC course exam failures: Supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. *Supervisors must document successful completion of career knowledge prior to submission of a CDC waiver.*

2.6.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old

entries and writing in the new or by using correction fluid/tape (if the entries were made in ink) over the previously certified entry.

2.6.2. **AF Form 797.** When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.

2.6.3. **Disposition of Training Records.** Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.7. **Specialty Training Standard.** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations: Report unsatisfactory performance of individual course graduates to the AETC training manager at 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX, 76311-2264, DSN 736-3249. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received over or under training on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, DSN 736-5236, any time, day or night.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER, Lieutenant General, USAF
DCS/Installations and Logistics

2 Attachments

1. Proficiency Code Key
2. Specialty Training Standard (STS)

PROFICIENCY CODE KEY

CFETP 2A7X4

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	IS EXTREMELY LIMITED (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	KNOWS NOMENCLATURE (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES (Can determine step by step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	KNOWS FACTS (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION (Can evaluate conditions and make proper decisions about the subject.)
Explanations * A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b) ** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks. - This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs. / This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).		

SPECIALTY TRAINING STANDARD

CFETP 2A7X4

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
1. Tasks, Knowledge And Technical References				A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
		5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision..												
NOTE 2: Items in column 1 marked with an asterisk (*) are the tasks/knowledge that are trained in resident wartime courses..												
NOTE 3: Items in column 2a/2b marked with an asterisk (*) identify core tasks. Core tasks identified with */R are optional for ANG and AFRC.												
NOTE 4: To teach the area on sewing machines, the 3-level technical school will use the Chandler 767 and the Consew 206RB sewing machines.												
A2.1.	CAREER LADDER PROGRESSION TR: AFMAN 36-2108								-	B	-	-
*A2.2.	SPECIFIC OPSEC VULNERABILITIES OF AFSC 2A7X4 TR: AFI 10-1101								A	-	-	-
A2.3.	AIR FORCE OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFMAN 91-201, AFI 91-205, Applicable OSHA and AFOSH STDs											
*A2.3.1.	Hazards of AFSC 2A7X4								A	B	-	-
A2.3.2.	AFOSH standards for AFSC 2A7X4								-	B	-	-
*A2.3.3.	Observe safety precautions for protection of personnel and equipment								2b	B	-	-
*A2.3.4.	Maintain safe work area TR: AFI 32-2001								2b	B	-	-
*A2.3.5.	Procedures for accident reporting								A	B	B	-
*A2.3.6.	Safety marking and symbols								A	B	-	-
*A2.3.7.	Shop and flight line safety								A	B	-	-
*A2.3.8.	Initial Federal Hazard Communication Training Program (FHCTP)								A	-	-	-
A2.3.9.	Develop explosive safety program								-	-	B	3c
A2.4.	HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS											
A2.4.1.	Types of hazardous material/fluids								B	-	-	-
A2.4.2.	Handling procedures								B	-	-	-
A2.4.3.	Storage and labeling								B	-	-	-
A2.4.4.	Proper disposal								B	-	-	-
A2.5.	TECHNICAL PUBLICATIONS TR: AFD 21-3, TOs 00-5-1, 00-5-2, 00-5-15											
A2.5.1.	Technical Order system								B	B	-	-
*A2.5.2.	Use technical orders								3c	B	-	-
A2.5.3.	Procure technical orders								-	B	B	-
A2.5.4.	Maintain technical order files								-	B	B	-

SPECIALTY TRAINING STANDARD

CFETP 2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.5.5. Submit technical order improvement report								-	B	B	3c
A2.6. SUPPLY RESPONSIBILITY AFSC 2A7X4 TR: AFMAN 23-110CD, applicable 21-X series instructions, applicable TAs as required, TOs 00-20 series, 00-25-06-2-1, and 00-35D-54											
A2.6.1. USAF supply system								A	B	C	-
A2.6.2. Property accountability and responsibility								A	B	C	-
A2.6.3. Use stock lists								b	B	-	c
A2.6.4. Use catalogs								b	B	-	c
*A2.6.5. Use applicable forms								1b	B	B	c
*A2.6.6. Use applicable tags								1b	B	-	c
A2.6.7. Use TAs								-	B	C	3c
A2.6.8. Forecasting for time change items		*						-	B	C	c
A2.6.9. Depot Level Repair Process								-	B	B	C
A2.6.10. Use supply products		*						-	-	B	c
A2.7. MAINTENANCE MANAGEMENT											
A2.7.1. Logistics/Operations Group Structure TR: Applicable 21-X series instructions								A	B	-	-
A2.7.2. Basic functions within Maintenance Complex TR: Applicable 21-X series instructions								-	B	-	-
A2.7.3. Maintenance Data Collection TR: AFCSM 21-556 thru 21-579; TO 00-20 series								A	B	-	-
A2.7.4. Processing and controlling of material TR: Applicable 21-X series instructions								A	B	-	-
A2.7.5. Element supervisor responsibilities TR: Applicable 21-X series instructions								-	B	C	-
A2.7.6. Automated Maintenance System TR: AFCSM 21-556 thru 21-579; TO 00-20 series								A	B	-	-
A2.8. MAINTENANCE AND INSPECTION											
A2.8.1. Maintenance Systems TR: Applicable 21-X series instructions								A	B	-	-

SPECIALTY TRAINING STANDARD

CFETP 2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.8.2. Inspections Systems TR: TO 00-20 series								A	B	-	-
*A2.8.3. Use maintenance data collection forms TR: AFCSM 21-556 thru 21-579; TO 00-20 series								1b	B	-	-
A2.8.4. Material Deficiency Reporting System TR: TO 00-35D-54		*						A	B	C	C
*A2.8.5. Use Automated Maintenance System TR: AFCSM 21-556 thru 21-579; TO 00-20 series	*							3c	B	-	-
*A2.8.6. Use Standard Base Supply System (SBSS)								b	B	-	-
A2.9. HAND TOOLS TR: TO 32-1-101											
A2.9.1. Types								A	B	-	-
*A2.9.2. Use								3c	B	-	-
A2.9.3. Care								b	B	-	-
*A2.10. SHOP EQUIPMENT TR: TOs 00-20-7, 34-1-3, and applicable equipment publications											
A2.10.1. Use	*							3c	B	-	-
A2.10.2. Inspect	*							b	B	-	-
A2.10.3. Clean	*							b	B	-	-
A2.10.4. Lubricate	*							b	B	-	-
A2.10.5. Repair								b	B	-	-
*A2.11. TEST EQUIPMENT TR: TOs 33D3-15-18-1, 33D7-71-42-1											
A2.11.1. Release Tester											
A2.11.1.1. Use								2b	b	-	-
A2.11.1.2. Inspect								2b	b	-	-
A2.11.1.3. Pretest								2b	b	-	-
A2.11.2. Hydrothermograph											
A2.11.2.1. Use								-	b	-	-
A2.11.2.2. Inspect								-	b	-	-
A2.11.2.3. Pretest								-	b	-	-
A2.11.3. Mullens											
A2.11.3.1. Use								-	b	-	-
A2.11.3.2. Inspect								-	b	-	-
A2.11.3.3. Pretest								-	b	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
*A2.12. APPLICABLE HARDWARE TR: TOs 00-25-120, 13C-1-41											
A2.12.1. Inspect								3c	B	-	-
A2.12.2. Remove								3c	B	-	-
A2.12.3. Install								3c	B	-	-
*A2.13. SEWING TECHNIQUES TR: TOs 00-25-120, 13C5 series, 14 series, Fed Standard 751A											
A2.13.1. Textile materials											
A2.13.1.1. Terms and characteristics								B	B	-	-
A2.13.1.2. Use	*							3c	B	-	-
A2.13.1.3. Store								b	B	-	-
A2.13.2. Use applicable knots								3c	B	-	-
A2.13.3. Use hand seams								3c	B	-	-
A2.13.4. Use machine seams								3c	B	-	-
*A2.14. CEMENTS AND SOLVENTS TR: Applicable AFOSH Standards, TO 42A3-1-2											
A2.14.1. Use								2b	B	-	c
A2.14.2. Store								b	B	-	-
A2.15. SEWING MACHINES TR: Applicable AFOSH Standards, TO 34Y7-2-1, TM-DGSC-3530-101											
*A2.15.1. Nomenclature								B	B	-	-
*A2.15.2. Operate	*							3c	B	-	-
*A2.15.3. Perform preventive maintenance											
A2.15.3.1. Inspect								3c	B	-	-
A2.15.3.2. Clean								3c	B	-	-
A2.15.3.3. Lubricate								3c	B	-	-
*A2.15.4. Perform operator maintenance											
A2.15.4.1. Replace needles								3c	B	-	-
A2.15.4.2. Replace presser feet								3c	B	-	-
A2.15.4.3. Set thread tension								3c	B	-	-
A2.15.5. Perform shop maintenance											
*A2.15.5.1. Troubleshoot		*						3c	B	-	-
*A2.15.5.2. Time		*						3c	B	-	-
*A2.15.5.3. Adjust		*						3c	B	-	-
A2.15.5.4. Overhaul								-	B	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
A2.16. USE APPLICABLE LOGS AND RECORDS TR: AFCSM 21-566 thru 21-579; TOs 00-25-241, 14D series, 14P series, and 14S series	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course 3c	5 B	7 -	Course -
A2.17. PARACHUTE SYSTEMS TR: AFMAN 91-201; TOs 00-85A-13-1, 11A-1-10, 11P, 13A5, 13C5, 14D1-1, 14D1-3, 14D1-4, 14D2, 14D3, and 33D series as applicable											
*A2.17.1. Back Automatic Parachutes											
A2.17.1.1. Characteristics								B	B	-	C
A2.17.1.2. Inspect/Pack	*							3c	B	-	-
A2.17.1.3. Repair		*						-	B	-	c
A2.17.1.4. Assemble/Disassemble								3c	-	-	-
A2.17.1.5. 4 line release								3c	-	-	-
A2.17.2. Chest Style (C-12)											
A2.17.2.1. Inspect/Pack								-	-	-	-
A2.17.2.2. Repair								-	-	-	-
A2.17.2.3. Assemble/Disassemble								-	-	-	-
A2.17.3. Chest Style (CA-12)											
A2.17.3.1. Inspect/Pack								-	-	-	-
A2.17.3.2. Repair								-	-	-	-
A2.17.3.3. Assemble/Disassemble								-	-	-	-
A2.17.4. Chest Style (Reserve)											
A2.17.4.1. Inspect/Pack								-	-	-	-
A2.17.4.2. Repair								-	-	-	-
A2.17.4.3. Assemble/Disassemble								-	-	-	-
A2.17.4.4. 4 line release								3c	-	-	-
A2.17.5. MT1X/MT1S											
A2.17.5.1. Inspect/Pack								-	-	-	-
A2.17.5.2. Repair								-	-	-	-
A2.17.5.3. Assemble/Disassemble								-	-	-	-
A2.17.6. MC-5											
A2.17.6.1. Inspect/Pack								-	B	-	-
A2.17.6.2. Repair								-	-	-	-
A2.17.6.3. Assemble/Disassemble								-	-	-	-
A2.17.7. MC1-1											
A2.17.7.1. Inspect/Pack								-	-	-	-
A2.17.7.2. Repair								-	-	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.17.7.3. Assemble/Disassemble								-	-	-	-
A2.17.8. B-20											
A2.17.8.1. Inspect/Pack								-	-	-	-
A2.17.8.2. Repair								-	-	-	-
A2.17.8.3. Assemble/Disassemble								-	-	-	-
A2.17.9. Troop Main A/P28S-(17/18)											
A2.17.9.1. Inspect/Pack								-	-	-	-
A2.17.9.2. Repair								-	-	-	-
A2.17.9.3. Assemble/Disassemble								-	-	-	-
*A2.17.10. ACES II Recovery Systems											
A2.17.10.1. Characteristics								B	B	-	C
A2.17.10.2. Inspect/Pack	*							3c	B	-	-
A2.17.10.3. Repair		*						-	B	-	c
A2.17.10.4. Assemble/Disassemble	*							-	-	-	-
A2.17.10.5. 4 line release								3c	-	-	-
*A2.17.11. ACES II Droque Systems											
A2.17.11.1. Characteristics								B	B	-	C
A2.17.11.2. Inspect	*							3c	B	-	-
A2.17.11.3. Pack	*							3c	B	-	-
A2.17.11.4. Repair		*						-	B	-	c
A2.17.12. MK/H7 Recovery System											
A2.17.12.1. Inspect/Pack								-	-	-	-
A2.17.12.2. Repair								-	-	-	-
A2.17.12.3. Assemble/Disassemble								-	-	-	-
A2.17.13. Droque Systems											
A2.17.13.1. Characteristics								-	B	-	-
A2.17.13.2. Inspect/Pack								-	-	-	-
A2.17.13.3. Repair								-	-	-	-
A2.17.13.4. Assemble/Disassemble								-	-	-	-
A2.17.14. Deceleration Parachutes											
A2.17.14.1. Characteristics								-	B	-	-
A2.17.14.2. Inspect								-	-	-	-
A2.17.14.3. Pack								-	-	-	-
A2.17.14.4. Assemble/Disassemble								-	-	-	-
A2.17.15. Cargo Parachutes											
A2.17.15.1. Characteristics								-	B	-	-
A2.17.15.2. Inspect/Pack								-	B	-	-
A2.17.15.3. Repair								-	-	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.17.15.4. Assemble/Disassemble								-	-	-	-
A2.17.16. Clean		*						b	B	-	-
A2.17.17. Store								-	B	-	-
A2.17.18. Shipment								-	B	-	-
A2.17.19. 11000 Opening Device											
*A2.17.19.1. Remove/Inspect	*							-	B	-	-
A2.17.19.2. Clean								-	B	-	-
*A2.17.19.3. Install								-	B	-	-
A2.17.20. Scot Opening Device											
A2.17.20.1. Remove/Inspect	*							3c	B	-	-
A2.17.20.2. Clean								-	B	-	-
A2.17.20.3. Install								3c	B	-	-
A2.17.21. Inspect/Service FF-2 Hite Finder Release								-	-	-	-
A2.17.22. Accessories											
A2.17.22.1. Types								B	B	-	-
A2.17.22.2. Remove								2b	B	-	-
A2.17.22.3. Inspect								2b	B	-	-
A2.17.22.4. Install								2b	B	-	-
A2.17.22.5. Locate false emergency beacon transmissions								-	B	-	-
A2.17.23. Theory of Parachute Operations								-	-	-	C
A2.17.24. MC-4								-	B	-	-
A2.17.25. AR – Square Release								-	B	-	-
A2.18. FABRIC ITEMS TR: TOs 1C135 Series, 13A1-1-1, 13A1-1-2, 13A1-8-1, 13A9-1-2, and applicable aircraft technical publications											
*A2.18.1. Protective covers											
A2.18.1.1. Types								B	B	-	-
A2.18.1.2. Fabricate	*							2b	B	-	-
*A2.18.2. Upholstery											
A2.18.2.1. Types								B	B	-	-
A2.18.2.2. Fabricate								2b	B	-	-
A2.18.3. Soundproofing											
A2.18.3.1. Types								B	B	-	-
A2.18.3.2. Fabricate								1b	B	-	-
*A2.18.4. Inspect		*						1b	B	-	c
*A2.18.5. Repair								1b	B	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
*A2.18.6. Modify								1b	B	-	-
A2.18.7. Interpret Blueprints/Drawings								-	B	-	3c
A2.18.8. Aircraft Thermal Radiation Barrier/Curtains											
A2.18.8.1. Inspect/Clean								-	B	-	-
A2.18.8.2. Repair								-	B	-	-
A2.18.8.3. Fabricate/Fit								-	B	-	-
A2.18.9. Restraint/Safety Devices											
A2.18.9.1. Inspect								-	-	-	-
A2.18.9.2. Test								-	-	-	-
A2.18.9.3. Repair/Modify								-	-	-	-
A2.18.9.4. Assemble								-	-	-	-
A2.19. PROTECTIVE/ORGANIZATIONAL CLOTHING TR: TOs 00-25-120, 14P3-1, 14P3-5, 14P3-6 and 14P3-11 Series											
*A2.19.1. Flight Clothing											
A2.19.1.1. Inspect								2b	B	-	-
A2.19.1.2. Repair								2b	B	-	-
A2.19.2. Anti Exposure Suits											
*A2.19.2.1. CWU 16/P											
A2.19.2.1.1. Inspect	*							3c	B	-	-
A2.19.2.1.2. Repair/Test	*							2b	B	-	-
A2.19.2.1.3. Pack	*							3c	B	-	-
A2.19.2.2. CWU 74/P											
*A2.19.2.2.1. Install	*							b	B	-	-
*A2.19.2.2.2. Repair	*							b	B	-	-
A2.19.2.2.3. Modify	*							-	B	-	-
A2.19.2.2.4. Inspect								3c	-	-	-
A2.19.2.3. CWU-21/P											
A2.19.2.3.1. Install								-	-	-	-
A2.19.2.3.2. Repair								-	-	-	-
A2.19.2.4. CWU-21A/P											
A2.19.2.4.1. Install								-	-	-	-
A2.19.2.4.2. Repair								-	-	-	-
A2.19.2.5. CWU-23/P											
A2.19.2.5.1. Inspect								-	-	-	-
A2.19.2.5.2. Repair								-	-	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.19.3. Anti Gravity Suit											
A2.19.3.1. Repair								b	B	-	-
A2.19.3.2. Modify								b	B	-	-
A2.19.4. Survival Vests											
A2.19.4.1. Repair								-	B	-	-
A2.19.4.2. Modify								-	B	-	-
A2.19.5. M-3 Toxicological Ensemble											
A2.19.5.1. Inspect								-	B	-	-
A2.19.5.2. Repair								-	-	-	-
A2.19.5.3. Pack								-	-	-	-
A2.20. FLOTATION EQUIPMENT TR: Applicable AFOSH Standards, TOs 14S series											
A2.20.1. Life Rafts, Multiplace											
*A2.20.1.1. F-2B											
A2.20.1.1.1. Inspect	*							3c	B	-	-
A2.20.1.1.2. Pack	*							3c	B	-	-
A2.20.1.1.3. Repair	*							2b	B	-	c
A2.20.1.2. 25 Man											
A2.20.1.2.1. Inspect	*							-	B	-	-
A2.20.1.2.2. Pack	*							-	B	-	-
A2.20.1.2.3. Repair	*							-	B	-	-
A2.20.1.3. LRU-1P											
A2.20.1.3.1. Inspect	*							-	B	-	-
A2.20.1.3.2. Pack	*							-	B	-	-
A2.20.1.3.3. Repair	*							-	B	-	-
A2.20.2. Life Rafts, One Man											
A2.20.2.1. Types								B	B	-	-
*A2.20.2.2. Inspect	*							3c	B	-	-
A2.20.2.3. Pack								-	B	-	-
*A2.20.2.4. Repair	*							2b	B	-	-
A2.20.3. Life Raft Inflation Equipment											
A2.20.3.1. Operational fundamentals								-	B	-	-
A2.20.3.2. Service								-	B	-	-
A2.20.3.3. Inspect								-	-	-	-
A2.20.3.4. Repair								-	-	-	-
A2.20.4. Life Preservers											
A2.20.4.1. LPU-10/P											
*A2.20.4.1.1. Inspect	*							3c	B	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
*A2.20.4.1.2. Pack	*							3c	B	-	-
A2.20.4.1.3. Repair	*							-	B	-	-
A2.20.4.2. LPU-9/P											
*A2.20.4.2.1. Inspect	*							3c	B	-	-
*A2.20.4.2.2. Pack	*							3c	B	-	-
A2.20.4.2.3. Repair	*							-	B	-	-
A2.20.4.3. LPU-2/P											
A2.20.4.3.1. Inspect	*							-	B	-	-
A2.20.4.3.2. Pack	*							-	B	-	-
A2.20.4.3.3. Repair	*							-	B	-	-
A2.20.4.4. LPU-3/P											
A2.20.4.4.1. Inspect	*							-	B	-	-
A2.20.4.4.2. Pack	*							-	B	-	-
A2.20.4.4.3. Repair	*							-	B	-	-
A2.20.4.5. MB-1											
A2.20.4.5.1. Inspect	*							-	B	-	-
A2.20.4.5.2. Pack	*							-	B	-	-
A2.20.4.5.3. Repair	*							-	B	-	-
A2.20.4.6. MD-1											
A2.20.4.6.1. Inspect	*							-	B	-	-
A2.20.4.6.2. Pack	*							-	B	-	-
A2.20.4.6.3. Repair	*							-	B	-	-
A2.20.4.7. LPU-6/P											
A2.20.4.7.1. Inspect	*							-	B	-	-
A2.20.4.7.2. Pack	*							-	B	-	-
A2.20.4.7.3. Repair	*							-	B	-	-
A2.20.4.8. A-A-50652											
A2.20.4.8.1. Inspect	*							-	B	-	-
A2.20.4.8.2. Pack	*							-	B	-	-
A2.20.4.8.3. Repair	*							-	B	-	-
A2.20.5. Escape Slides											
A2.20.5.1. Types								B	B	-	-
A2.20.5.2. Inspect								b	B	-	-
A2.20.5.3. Pack								b	B	-	-
A2.20.5.4. Repair								-	B	-	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.21. SUPERVISION											
A2.21.1. Orient new personnel TR: AFMAN 36-2108, AFI 36-2201, applicable OSHA and AFOSH Standards								-	-	-	-
A2.21.2. Plan work assignments TR: AFI 21-101, AFPAM 36-2241								-	-	-	-
A2.21.3. Schedule TR: AFI 21-101, AFPAM 36-2241											
A2.21.3.1. Work assignments								-	-	-	-
A2.21.3.2. Other activities such as ancillary training, staff meetings, and leave time								-	-	-	-
A2.21.4. Assign TR: AFI 21-101, AFPAM 36-2241											
A2.21.4.1. Maintenance tasks								-	-	-	-
A2.21.4.2. Personnel to duty positions								-	-	-	-
A2.21.5. Supervise personnel in accomplishing maintenance tasks TR: AFIs 21-101, 21-112, AFPAM 36-2241								-	-	-	-
A2.21.6. Analyze maintenance reports TR: AFIs 21-101, 23-205, TO 00-20-1		*						-	-	B	c
A2.21.7. Prepare/Write											
A2.21.7.1. Maintenance reports TR: AFH 33-337, AFIs 21-101, 23-205, TO 00-20-1								-	-	B	-
A2.21.7.2. Visual aids, such as organizational, functional, and training charts TR: AFI 21-101, AFMAN 36-2108, AFPAM 36-2241								-	-	-	-
A2.21.8. Establish TR: AFIs 21-101, 23-205, AFMAN 36-2108, AFPAM 36-2241											
A2.21.8.1. Work methods								-	-	B	-
A2.21.8.2. Quality Control		*						-	-	B	c
A2.21.8.3. Performance standards								-	-	B	-
A2.21.8.4. In-Process Inspection								-	-	B	3c
A2.21.9. Evaluate work performance of subordinates TR: AFI 36-2403								-	-	-	-
A2.21.10. Justify TR: AFI 21-101, AFMAN 23-110CD											
A2.21.10.1. Personnel								-	-	B	-
A2.21.10.2. Equipment								-	-	B	-

SPECIALTY TRAINING STANDARD

2A7X4

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.21.11. Resolve technical problems encountered by subordinates TR: AFPAM 36-2241								-	-	-	-
A2.21.12. Counsel personnel to resolve individual problems TR: AFI 36-2104, AFPAM 36-2241								-	-	-	-
A2.21.13. Initiate action to correct substandard personnel performance TR: AFIs 36-2907, 36-3208								-	-	-	-
A2.22. TRAINING TR: AFIs 21-112, 36-2201											
A2.22.1. Evaluate personnel to determine need for training								-	-	-	-
A2.22.2. Plan and supervise OJT											
A2.22.2.1. Prepare job qualification standards								-	-	-	-
A2.22.2.2. Conduct training								-	-	-	-
A2.22.3. Monitor effectiveness of training											
A2.22.3.1. Career knowledge upgrade								-	-	-	-
A2.22.3.2. Job proficiency upgrade								-	-	-	-
A2.22.3.3. Qualification								-	-	-	-
A2.22.4. Maintain training records								-	-	-	-
A2.22.5. Evaluate training programs								-	-	-	-
A2.22.6. Recommend personnel for training TR: AFIs 36-2101, 36-2201, AFMAN 36-2108								-	-	-	-
A2.22.7. OJT trainer requirements											
A2.22.7.1. Prepare teaching outlines or task breakdowns								-	-	-	-
A2.22.7.2. Provide trainees theory and train on actual equipment								-	-	-	-
A2.22.7.3. Provide feedback on training provided								-	-	-	-
A2.22.8. OJT task certifier requirements											
A2.22.8.1. Develop methods of evaluation to determine trainee knowledge/qualification, and training effectiveness								-	-	-	-
A2.22.8.2. Use appropriate method of evaluation and effectively determine trainee's ability								-	-	-	-
A2.22.8.3. Provide supervisor and trainer feedback on results of training provided, and trainee's strengths/weaknesses								-	-	-	-

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place. The behavior is the action a student must demonstrate to accomplish a task (i.e. repack an ACES II recovery parachute assembly). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the **PC** code which indicates a progress check is used to measure subject or task knowledge. Progress checks are also used to measure student accomplishment of performance objectives. **W** indicates a comprehensive written test and is used to measure the subject and/or task knowledge at the end of a block of instruction. **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

5. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Most task performance is taught to the "2b" or "3c" proficiency level. The "2b" means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. The "3c" means the student can do all parts of the task but may need a spot check of completed work (competent). The student should be able to identify why and when the task must be done and why each step is needed.

7. Course Objectives. If you require detailed course descriptions and objectives, please provide a written request to the AETC Training Manager, 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX 76311-2264.

Section C - Support Material

8. Support material is any training package designed to enhance the learning process at any level of training. Refer to Air Force Education and Training Course Announcements (ETCA) for information on AETC formal courses.

Section D - Training Course Index

9. Purpose. This index lists Air Force resident, ECI, and exportable courses used to support training for this specialty. Refer to Air Force Education and Training Course Announcements (ETCA) for information on AETC formal courses listed below.

9.1. Air Force In-Resident Courses.

COURSE NUMBER	COURSE TITLE	OPR
J3ABR2A734 002	Survival Equipment Apprentice	361 TRS
J3AZR2A754 000	Sewing Machine Maintenance	361 TRS
J3ACR2A774 000	Survival Equipment Craftsman	361 TRS

9.2. Extension Course Institute (ECI) Courses.

COURSE NUMBER	COURSE TITLE	OPR
CDC 2A754	Survival Equipment Journeyman	361 TRS
CDC 2AX7X	Aerospace Maintenance Craftsman	USAF/ ILMM

9.3. Exportable Courses.

COURSE NUMBER	COURSE TITLE	OPR	MEDIA
J6ANU2E066 038	AF Technical Order System (General)	362 TRS	CBT
J6ANU2E066 039	AF Technical Order System	362 TRS	CBT
J6AZU2E066 058	AF Maint Data Collection System (CAMS)	362 TRS	CBT
J6AZU2E066 059	AF Maint Data Collection System (CAMS) (781 Forms)	362 TRS	CBT

COURSE NUMBER	COURSE TITLE	OPR	MEDIA
J6AZU2E066 061	Core Automated Maint System (CAMS) Introduction	362 TRS	CBT
J6AZU2E066 062	Core Automated Maint System (Mid-Level Maint Manager)	362 TRS	CBT
J6AZU2E066 063	Core Automated Maint System (Senior-Level Maint Manager)	362 TRS	CBT

9.4. Courses Under Development/Revision:

COURSE NUMBER	COURSE TITLE	OPR
J3ABR2A734 002	Survival Equipment Apprentice	361 TRS
J3ACR2A774 000	Survival Equipment Craftsman	361 TRS

Section E - MAJCOM Unique Requirements.

10. Currently, only Air Combat Command has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at <http://www.acclog.af.mil/lgq/lgqt/98mmcl.doc>. Refer to the HQ ACC MMCL for additional information. The below requirements are current as of 28 Aug 98. **NOTE:** As of 1 Sep 99, there are no mandatory MAJCOM course requirements for the 2A7X4 career field.

COURSE NUMBER	COURSE TITLE	MDS
2A3X3B-035	F-16 Tactical Aircraft Maintenance	F-16
2A3X3B-036	Advanced Crew Chief	F-16
2A6X1A-101	Tactical Aircraft Maintenance (F110-GE-129 Removal/Installation) (O/M)	F-16
2A6X1A-133	Tactical Aircraft Maintenance (F110-GE-100 Removal/Installation) (O/M)	F-16
2A3X3B-025	F-117 Tactical Aircraft Maintenance (Cross)	F-117